

City of Lynchburg  
Procurement Division  
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## **ADDENDUM for BID**

### **Proposed Rehabilitation to Bedford Avenue Bridge**

**03036-BR**

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Date: March 4, 2005

From: Stephanie Suter

RE: Addendum No. 02 – Proposed Rehabilitation to Bedford Avenue Bridge over Norfolk Southern Railway

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The following questions were submitted for clarification.

1. What product is specified for the substructure (abutment) repairs? None is identified in the Specs - except for Component "C" in the Epoxy Bonding compound section. On Page 11 of 24 the Repair Detail identifies the material to be Concrete Class A4 w/No. 8 Aggregate; however, gunite/shotcrete is typically a combination of sand/cement/silica fume?

**Drawing 11 specifies the repair material as Concrete Class A4, with No. 8 aggregate. Section 412.03.f of the VDOT RBS allows the approval of shotcrete materials in lieu of hydraulic cement materials. Shotcrete repairs will be approved if proposed in accordance with the applicable specification sections.**

2. Is the Sika bonding agent necessary especially since there is no Sika Repair Product specified? Typically a bonding agent only adds expense to the project, especially since the prepared surface will be extremely rough due to preparation of chipping of deteriorated concrete.

**Section 1.01 of the Special Provisions for Epoxy Bonding Compound is amended to read, " The use of bonding compound will be optional for Concrete Substructure Surface Repairs."**

3. Regarding Surface Preparation of the Substructure, once chipping is complete is 'sandblasting' required or is 'high pressure - 3,500psi water blasting' sufficient?

**Section 412.03.f of the VDOT RBS is amended to read, "The use of high-pressure water blasting for final surface preparation will not be permitted."**

4. Brick: Should the brick from the old bridge deck be stacked on a pallet, or can they be delivered loose (such as a dump bed load)? This may determine how much time is spent during the demolition process.

**Salvaged brick materials may be delivered to the City in a loose condition, with a minimal amount of extraneous material.**

5. Brick: Is the brick only on the bridge deck, or will it be found under the rest of the roadway that will be demolished?

**The limits of roadway demolition (beyond the abutment structure excavation) are not expected to encounter historic brick.**

6. Demolition of Pavement: Is the rest of the pavement structure supposed to be removed completely between the two end areas denoted as demolition of pavement, or will the new pavement structure be placed over the old pavement?

**The new pavement structure may be placed over the old pavement structure provided that the subgrade is prepared in accordance with the Specifications.**

7. Detail for Diaphragm at Water Line: What material is the 1'-2" sleeve supposed to be in the diaphragm?

**Pipe sleeves shall be thermoplastic, like those indicated on Drawing 10.**

8. Will Group 2 Channelizing Devices be required for any traffic control?

**Maintenance of traffic work shall be conducted in accordance with the Virginia Work Area Protection Manual, January 2003. The need for this item will be dependent upon the contractor's plan of work. It is anticipated that Group II channelizing devices would likely be required at each end of the work area where the project ties to the existing roadway network.**

9. Concrete Traffic Barrier Service: Do these have to conform to the new VDOT standard for interlocking barriers, or will the old keyed barriers be acceptable for blocking the street?

**Concrete barriers at each end of the project for restricting traffic access to the work area may be of any type.**

10. Pavement Marking: Will there be any temporary pavement markings required?

**Maintenance of traffic work shall be conducted in accordance with the Virginia Work Area Protection Manual, January 2003. The need for this item will be dependent upon the contractor's plan of work. Temporary pavement markings will likely be required at the intersection of Bedford Avenue with Hollins Mill/Birch Street.**

11. Water Line: Where can the City Specs for the Water Line be found?

**The City of Lynchburg "Manual of Specifications and Standard Details" may be viewed online at the City's website. The address is <http://www.ci.lynchburg.va.us/home/index.asp?page=149>. Requirements for Water Distribution are presented in Section 2660. The pipe shall be Class 52, as required for the bridge water line on Drawing 10.**

12. City Standards for Concrete Items: Where can City Specs for the concrete items, such as sidewalk, curb and gutter, commercial entrance, and Type 2 Handicap Ramp be found-they are not in the plans?

**The City of Lynchburg "Manual of Specifications and Standard Details" may be viewed online at the City's website. The address is <http://www.ci.lynchburg.va.us/home/index.asp?page=149>. Requirements for Curb and Gutter and sidewalks are presented in Section 2400.**

13. Type 2 Handicap Ramp: Is this quantity included in the sidewalk, or should it be paid separately?

**Per the City Specifications, the cost of Handicap Ramps should be included in the price bid for "City Std. Facedown Sidewalk".**

14. VDOT Std. CG-2 Curb: How is this being paid for? There is no pay item for CG-2 curb. Qtys for the City C&G do not look like they encompass the additional qty of CG-2 shown.

**The pay item for VDOT Std CG-2 curb was inadvertently omitted from the plans. A revised Bid Form is issued with this addendum to add this item.**

15. City Facedown Sidewalk: Is the curb included in the quantity for the sidewalk, or is the curb a separate pay item?

**The pay item "City Std Facedown Sidewalk" includes construction of the turned-down curb.**

16. Metal Decking: Is it acceptable to use metal stay-in-place decking to form the bridge deck between the precast beams? Inserts for the SIP decking would be cast into the precast beams.

**The use of metal stay-in-place deck forms will be permitted.**

17. Morris Property Manag<sup>3</sup>emenet parcel (NW corner of Birch St. and Bedford Ave.): The trench drain in the existing parking lot – will this need to be raised, or removed; and if raised, what should it be connected to in order to drain?

**The trench drain in the parking lot of Parcel 566-31-254 shall be removed or abandoned in place.**

18. Guy Wires: There is a guy wire connected to APCO Pole 81-T135 at the NE corner of the bridge. It is shown to be in the middle of the new sidewalk. Is this correct, or will it be relocated? Will this guy wire need to be supported during excavation and construction of the new sidewalk abutment adjacent to it?

**The guy wire at APCO Pole 81-T135, in conflict with the proposed sidewalk, will be relocated by APCO. The guy anchor shall be protected during excavations for the NE Sidewalk Abutment. Coordination with AEP shall be directed through the City.**

19. Demolition Submittal: How long will the City take to review the Bridge Demolition Plan before submitting it to the Railroad for review?

**The City will complete its review of the Contractor's Demolition Plan within 5 business days.**

20. When does the City anticipate issuing the Notice to Proceed? The Specs say 90 days or less – This may have a marked difference on how soon the contractor can start and how much labor and time there is to build the project.

**Provided bids are within budget and barring any disputes, the City plans on issuing a Notice to Proceed within thirty (30) days.**

21. Night Concrete Operations: Do the sidewalks and parapet really need to be poured only at night? The concrete producer is questioning the need to have a night plant open at night for small concrete quantities used to pour the sidewalk and parapet. This will increase concrete costs dramatically for operating the plant at night for only small loads required to do the sidewalk and parapet. Does this include the facedown sidewalk on the grade portion of the project?

**Section 404.03 of the Special Provision for Low Permeability Concrete (Page TS-11) is revised to read "All deck concrete placements shall take place between 10:00pm and 5:00am. Plastic shrinkage cracks will be repaired by epoxy injection, concrete removal and replacement, or other methods approved by the Engineer, at the Contractor's expense." Night placement of sidewalks and parapet will not be required.**

22. Inserts for Pedestrian Fencing: Do these need to be cast-in-place or can they be drilled-in expansion or epoxy-type anchors?

**Threaded inserts for pedestrian fencing shall be cast in place, as shown on Drawing 9.**

# BID ITEM LIST

Revised 4 March 2005 (Addendum 2)

Item No.	Item	Qty	Unit	Unit Price	Total
1	Mobilization	1	LS		
2	Construction Surveying	1	LS		
3	Dismantle and Remove Portion of Existing Structure	1	LS		
4	Concrete Class A3	136.0	CY		
5	Concrete, Class A4	96.9	CY		
6	Reinforcing Steel	16,000	LB		
7	Epoxy Coated Reinforcing Steel	11,450	LB		
8	Prestressed Concrete Box Beams	435	LF		
9	Concrete Parapet	271	LF		
10	Bridge Deck Grooving	190	SY		
11	Structure Excavation	183	CY		
12	Porous Backfill	80	CY		
13	Pedestrian Fence	200	LF		
14	Concrete Surface Penetrant Sealer	459	SY		
15	Concrete Substructure Surface Repair	124	SY		
16	Anti-Graffiti Protection	1	LS		
17	Water Line System	1	LS		
18	Clearing and Grubbing	1	LS		
19	Borrow Excavation	2458	CY		
20	Traffic Maintenance	1	LS		
21	Aggregate Base Material, Type I, No. 21 or 21A	492	TON		
22	Asphalt Concrete Surface Course Type SM-12.5D	155.2	TON		
23	Asphalt Concrete Base Course Type BM-25.0	276.8	TON		
24	Asphalt Concrete Surface Course Type SM-9.5A	47.1	TON		
25	Drop Inlet VDOT Std. DI 3B, L=4'	3	EA		
26	15 inch Conc. Pipe	152	LF		
27	Conn. To Exist. MH	2	EA		
28	Guardrail GR-2	75	LF		
29	Radial Guardrail GR-2	15	LF		

# BID ITEM LIST

Revised 4 March 2005 (Addendum 2)

Item				Unit	
No.	Item	Qty	Unit	Price	Total
30	Fixed Object Attachment GR-FOA-I Type II	4	EA		
31	Remove Existing Guardrail	135	LF		
32	Demolition of Pavement (Flexible)	409	SY		
33	Saw Cut Asphalt Pavement (2")	120	LF		
34	City Std Curb and Gutter	70	LF		
35	City Std. Facedown Sidewalk	144.8	SY		
36	City Std. Commercial Driveway Entrance (7")	61.8	SY		
37	Remove Existing Drop Inlet	1	EA		
38	Flowable Backfill	3	CY		
39	Adjust Existing Sanitary Manhole	2	EA		
40	Water Line (Roadway)	1	LS		
41	Drop Inlet Silt Trap	3	EA		
42	Temporary Silt Fence	250	LF		
43	Silt Control Excavation	42	CY		
44	VDOT Std. CG-2 Curb	60	LF		
	<b>Total Base Bid</b>				

**READ TERMS AND CONDITIONS AND SIGN**

In compliance with the above BID, and subject to all the conditions hereof, the undersigned offers and agrees to comply with any or all of the terms and conditions contained herein, or as mutually agreed upon by subsequent negotiations. This form shall become part of the final file.

**Company Name:** \_\_\_\_\_ **Address:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Authorized Signature:** \_\_\_\_\_ **Title:** \_\_\_\_\_

**Print Name:** \_\_\_\_\_ **Telephone No.:** \_\_\_\_\_ **Fax No.:** \_\_\_\_\_